香港科技大學
THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Twenty-ninth Congregation 2021

第二十九屆學位頒授典禮

2021 · 11 · 26

University-wide Degree Conferment

學位頒授典禮

中華人民共和國國歌

起來！不願做奴隸的人們！
把我們的血肉，築成我們新的長城！
中華民族到了最危險的時候，
每個人被迫着發出最後的吼聲。
起來！起來！起來！
我們萬眾一心，
冒着敵人的炮火前進！
冒着敵人的炮火前進！前進！前進！進！

Twenty-ninth Congregation 2021

第二十九屆學位頒授典禮

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2020-21年博士畢業論文題目

Professor Wei SHYY

Distinguished guests, graduates, parents, friends, and colleagues,

I warmly welcome you to this year's Congregation — an extra special celebration where we can meet face to face once again as well as for the first time at this spectacular Shaw Auditorium, a new campus landmark for our 30th anniversary that celebrates HKUST's creativity and vitalizing spirit. I also extend joyful greetings to graduates who are sharing the occasion with us virtually. Class of 2021, I congratulate you all on your achievements amid unprecedented times.

The pandemic has not only tested our adaptability to change and uncertainty, but also served as a powerful wake-up call for all inhabitants of Planet Earth to come together to address a growing list of critical challenges, ranging from public health to climate change and environmental degradation. We are reminded, now more than ever, to learn, to invent, and to be open-minded. As global citizens, we need to take collective action in building a sustainable future that we commonly share, with an innovative spirit, sensitivity to equality, respect for diversity, empathy for the underprivileged, and do so with passion and determination.

We are now immersed in a world filled with international and social divides, along with hard choices between growth and conservation, technological innovation versus individual rights and options, and the irony of open, abundant information challenging rational judgment. The education, training, and insights you received at HKUST have helped you lay a firm foundation from which you are now ready to inspire and engage with other people to truly contribute to the world. Embrace challenges, exercise discretion and independent judgment when faced with unforeseeable events in life. And always, remain resilient.

Graduates, I am so very proud of you. Your ability to thrive and grow in both good and tough times over the past few years has provided a tremendous example for future generations of HKUST students. As you start a new chapter in life, please stay connected with your alma mater, a place that you are proud to call home; a connected community that promotes humanity; and a supportive family that offers optimism.

Believe in yourself, fly high, and may success be with you.

史維教授

各位嘉賓、畢業生、家長、親友及同事：

歡迎大家參加今年這個別具意義的畢業典禮——我們不僅可以再次聚首一堂，還能初次在逸夫演藝中心慶祝各位學有所成。作為科大三十周年校慶的新建地標，漂亮的逸夫演藝中心彰顯了大學的非凡創意以及澎湃生命力，激勵人心。我亦在此恭賀在網上同步參與典禮的畢業同學。2021年的每一位畢業生，全都走過史無前例的崢嶸歲月，如今卓然有成，實在可喜可賀。

疫症不但考驗我們適應變化和無常的能力，也同時給我們當頭棒喝，讓大家明白人類必須齊心協力，共同應對公共衛生、氣候轉變，以至環境惡化等層出不窮的世紀挑戰。要解決問題，我們必須較以往任何時候都要更努力地學習、創新和擴闊視野。身為世界公民，我們要時刻秉持創新精神，力求平等，尊重多元，扶持弱勢，並以無比的熱情和決心共建彼此分享的可持續未來。

時移勢易，現今世界及社會矛盾日益加深，我們不但要在發展與保育、科技創新與個人權益之間作出抉擇，也要經常面對大量網絡訊息卻未必支持理性思考的尷尬處境。讓人鼓舞的是，科大提供的教育、訓練和視野，早已為大家建立穩固基礎，讓你有能力動員及鼓勵志趣相投的夥伴，通力合作，真誠地攜手貢獻世界。人生際遇難測，有時風雨有時晴，只要你願意面對挑戰，酌情慎思，獨立判斷，並保持堅毅的精神，你必定能貢獻社會人群。

各位畢業同學，我以大家為榮！回望過去幾年，不論順逆，你們都能披荊斬棘，茁壯成長。如此榜樣，絕對值得你的學弟學妹學習。

希望大家在快要揭開人生新一章的同時，繼續與母校保持聯繫。科大將會一直是各位引以為傲的家園、是重視人文精神的親密社群，也是帶給你們快樂的至親。

相信自己，奮力高飛！衷心祝願各位前程錦繡，未來一片光明。

Professor Jeevan JAISINGH

Citation

The Michael G. Gale Medal for Distinguished Teaching was established by the University Council in 1994 to commemorate the distinguished service of Founding Council Member Mr. Michael G. Gale.

It is awarded to the faculty member who best exemplifies the continued pursuit of excellence, devotion to teaching and the ability to inspire and motivate others. This year the University is pleased to present the Michael G. Gale Medal for Distinguished Teaching to Prof. Jeevan JAISINGH of the Department of Information Systems, Business Statistics & Operations Management, School of Business and Management.

Prof. Jaisingh joined HKUST in 2003 after receiving his PhD from Purdue University, and is currently Associate Professor of Business Education in the Department of Information Systems, Business Statistics & Operations Management. His research interests lie in economics of information systems, information security, and privacy and electronic commerce. Prof. Jaisingh is strongly committed to creating an engaging and supportive learning environment with his "CARE" teaching philosophy.

Prof. Jaisingh's innovativeness and learner-centered teaching style have inspired undergraduate and postgraduate students including those studying MBA. His "CARE" teaching philosophy, representing Clarity, Adaptability, Responsiveness and Empathy, has been guiding him to empathize students' needs, design engaging courses and teaching materials that combine theory and practice. Known for his innovative pedagogical approach, Prof. Jaisingh blends classroom learning, experiential learning, gamification and response-directed case discussion in his classes, empowering his peers with his innovative teaching methodologies.

A previous consultant in the technology industry and an information systems expert, Prof. Jaisingh frequently revisits teaching materials and designs new courses to accommodate emerging trends and help his students respond to society's needs.

Prof. Jaisingh's enthusiasm about and commitment to teaching have been recognized with numerous teaching awards. He is a two-time winner of the School of Business and Management's Franklin Prize for Teaching Excellence, and was rewarded with the Common Core Excellence Course Award in 2013.

Prof. Jaisingh's contributions go beyond the classroom. A member of the Steering Committee on Review of the Common Core and the Working Group on Review of the Common Core, Prof. Jaisingh has been instrumental in revamping the University Common Core program to which "Critical Thinking and Data Literacy" was introduced as a new Foundation course. Prof. Jaisingh also served

various teaching and learning committees in the Business School including the MBA Leadership Committee and is currently a member of the Senate Committee on Teaching and Learning Quality.

Prof. Jaisingh is well recognized by teaching fellows for his generous support to junior staff members and for sharing his teaching insights and knowledge. A former Senior Associate Dean of the Business School praised him as being “very eager to share his best practices with other colleagues. Feedback from them is uniformly positive, a strong endorsement of his teaching ability.”

For his achievements in teaching and curriculum development, his dedication to students, and his broad contributions to the University’s educational mission, Prof. Jaisingh is a well-deserved recipient of the Michael G. Gale Medal, which recognizes, celebrates and rewards distinguished teaching, excellent service, and selfless commitment.

齊懿聲教授

讚辭

香港科技大學校董會於1994設立「祁敖卓越教學服務獎章」，以紀念創校校董祁敖先生對大學和社會的卓越貢獻。

獲頒這個獎的科大教授熱衷教學，不斷追求卓越，循循善誘，啟導後學，堪稱教師的典範。今年，科大將「祁敖卓越教學服務獎章」頒授予工商管理學院資訊、商業統計及營運學系的齊懿聲教授。

齊懿聲教授於普渡大學取得博士學位後，在2003年加入科大，現職資訊、商業統計及營運學系商學教育副教授，主要研究資訊系統經濟學、資訊安全，以及私隱與電子商務等範疇。他奉行「CARE」教學理念，重視清晰度 (Clarity)、適應力 (Adaptability)、回應性 (Responsiveness) 及同理心 (Empathy) 四大元素，致力為學生營造互動的學習環境，並提供適時支援。

齊教授的教學風格創新，強調學生為本，啟迪了無數本科生和包括工商管理碩士生在內的研究生。他奉行的「CARE」教學理念讓他站在學生的立場思考，瞭解對方的真正需要，進而設計理論與實踐兼備的教材和策劃互動十足的課程。他勇於採用嶄新教學策略，綜合運用課堂學習、體驗學習、遊戲學習，以及著重回應及討論的案例教學法，成功樹立先例，激勵同儕借鑑其實行創新教學模式的經驗。

他曾任職科技顧問，也是資訊系統專家，不僅經常檢視教材，更會因應新趨勢設計新課程，協助學生應對社會需要。

齊教授對教學的熱誠與投入備受肯定，獲獎無數，除了兩度榮膺工商管理學院的「范克廉卓越教學獎」(Franklin Prize for Teaching Excellence)，亦曾於2013年獲頒「卓越核心課程獎」(Common Core Excellence Course Award)。

齊教授在課堂以外亦貢獻良多，他身兼「核心課程檢討督導委員會」及「核心課程檢討工作小組」成員，在革新科大核心課程方面發揮了重要作用，如將「批判思考與數據素養」加入基礎課程就是一例。他也出任多個商學院教學委員會的成員，當中包括「工商管理碩士領袖委員會」，現時為大學教務委員會轄下教學質素委員會的委員。

齊教授不吝扶持同儕後輩，樂於分享教學心得與知識，深獲認同。商學院一位前資深副院長便曾讚揚他「願盡其所知與人分享，贏得同儕一致好評，足證其教學能力卓越，毋庸置疑。」

齊懿聲教授在教學與課程發展上成就卓越，春風化雨，培育英才，多方面協助科大履行教育使命，獲頒祁敖卓越教學服務獎章，實至名歸。

Rubaiyat QUADER

Computer Engineering, Year 4

The Stephen Cheong Kam-chuen Medal for Distinguished Service to the Student Body was established by the University Council in 1993 in memory of the late Honorable Stephen Cheong Kam-chuen, founding Council Member and distinguished public servant.

It is awarded to the student who best exemplifies the qualities of caring, constructive and dedicated leadership for which our late colleague is remembered.

This year, we are pleased to present the Stephen Cheong Kam-chuen Medal for Distinguished Service to the Student Body to Rubaiyat QUADER.

Quader has demonstrated her deep commitment to inspiring HKUST students from diverse backgrounds to become global citizens. She is most recognized for introducing the Hult Prize Competition to HKUST, a worldwide competition that challenges university students to solve global issues with social entrepreneurship ideas.

Being the Campus Director of the Hult Prize On-campus event, Quader led an organizing committee of 22 students to pioneer HKUST's own localized version of the competition from the ground up. Under her leadership, HKUST Hult Prize was successfully launched on campus in 2019 attracting more than 100 students from multiple ethnic groups and disciplines to take part in.

Members of the organizing committee commended Quader for her devotion to forging a campus culture of entrepreneurship promoting mutual respect and empathy. In addition to the HKUST Hult Prize, Quader has contributed to the well-being of students by serving as Peer Mentor of Student Innovation for Global Health Technology and Student Leader of Living Learning Community, among other initiatives.

The presentation of this medal to Quader acknowledges her dedication to encouraging innovation to address global issues and promoting campus community integration. She is a deserved winner, and may this award encourage more students to serve the HKUST community.

Rubaiyat QUADER

計算機工程四年級

「張鑑泉卓越學生服務獎章」由香港科技大學校董會於1993年設立，以紀念已故校董張鑑泉議員對大學和社會的卓越貢獻。

獲獎的同學需具備關懷他人和服務社群的精神，以及傑出的領導才能。這些特質都是張議員的寫照。

今年，大學將「張鑑泉卓越學生服務獎章」授予Rubaiyat QUADER 同學。

Quader 同學致力啟發科大不同文化背景的學生成為有承擔的世界公民。她將國際知名競賽霍特獎引進科大，激發大學生利用社企概念解決全球性問題，成績有目共睹。

身為霍特獎校園活動的策劃人，Quader同學帶領22位學生組成籌委會，從零開始籌辦科大霍特獎校園初賽。在她的領導下，比賽於2019年成功在校園展開，吸引了過百位來自不同種族及學科的學生參加。

籌委會成員讚揚Quader同學致力在校園推動創業精神，鼓勵同學彼此尊重、互相包容，以及發揚同理心，推己及人。除了籌辦霍特獎，Quader同學亦擔任視野無界(SIGHT)的朋輩導師和住宿學習社群(Living Learning Community)的學生領袖，為增進科大學生的福祉而努力。

我們特意頒發此獎項予Quader同學，以肯定她為解決全球問題而推動創意思維，以及建立共融校園所付出的努力。她獲獎實至名歸，冀望此殊榮能鼓勵更多同學積極擔任領袖、服務科大社群。

Matthew LEE Zi Jin

Master of Science in Financial Technology

Distinguished Guests, Ladies and Gentlemen,

I would like to first begin by stating it is a great honor to speak on behalf of the 2021 postgraduate cohort, a group of talented, knowledgeable, and diligent students and working professionals. It was a pleasure learning with, and from all these high caliber individuals, and I am personally excited to see the different paths everyone takes after this degree.

But let's first talk about the path before, the path we took to get to our exciting graduation. Just being here today meant you had not only passed a highly selective admissions process, but also met the demanding academic rigor HKUST demands of us.

We graduates, peers, and parents should all be proud of our tenacity and drive, we have overcome the challenges in our postgraduate education, and emerged more knowledgeable, better-rounded, and more prepared for our future roles in the business world.

Going forward, I am excited to see what the future holds for us. For fresh graduates joining the professional world for the first time, I think I speak for all of us that our postgraduate education empowers us to pursue the most coveted jobs across Hong Kong, Mainland China and the world. For our more senior graduates, I do hope that our degrees enable you to reach new career milestones. Regardless of where our journey takes us, let's keep in touch, and maintain these friendships we have forged.

Lastly, on behalf of the Fintech Cohort, I would like to express our sincere gratitude to our esteemed professors and teaching assistants. In particular, I would like to thank our program team who spent countless hours helping and guiding us, as well as the support from the Schools of Business and Management, Engineering, and Science, they have all made our program a successful, renowned, and most importantly, as enjoyable as it has been over this short one year time.

Thank you very much!

李子津

理學碩士（金融科技）

尊敬的各位來賓，女士們，先生們：

首先，我很榮幸能代表 2021 年碩士畢業生發言，他們是一群才華橫溢、知識淵博、勤奮用功的學生和專業人士。我非常慶幸能與一群出類拔萃的同學一起學習，也很期待看到各人在畢業後走上不同的人生旅途。

在前進之前，容我先談談大家如何走過這條令人振奮的畢業之路。在座的畢業生們，無不通過了嚴謹的錄取程序，而且還滿足了科大對學生嚴格的學術要求。

所有畢業生、同輩和家長都應該為我們的堅韌和動力感到驕傲，我們克服了碩士課程中的各種挑戰，獲得更多知識和全面的發展，為我們未來的角色做好準備。

展望未來，我對今天在座各位畢業生的前景充滿希望。對於初次踏入專業領域的應屆畢業生，我想代表所有人對你們說，科大的碩士教育使我們能夠在香港、中國大陸和世界各地從事最令人夢寐以求的工作。對於已經就業的畢業生，我衷心希望科大的學位能助你在職場達到新的里程碑。在未來的日子，無論我們的人生旅程走往哪裡，我們都要保持聯繫，守護彼此建立的友誼。

最後，我謹代表金融科技碩士課程的畢業生，向各位尊敬的教授和助教表達由衷的感謝；我亦要特別感謝課程的行政人員付出無數時間幫助和指導我們，以及工商管理學院、工學院和理學院的支持，讓我們的課程取得莫大成功，名聲遠揚；更重要的是，讓我們短短一年的學習旅程既愉快又充實。

謝謝。

Vignesh Gopalakrishnan

Bachelor of Science in Chemistry

Distinguished guests, proud parents, guardians, and fellow graduates - a very warm welcome to everyone present at today's ceremony. We are all gathered here for the first time ever at the stunning Shaw Auditorium to celebrate the achievements of the graduating class of 2021. While this momentous event commemorates the accomplishments of the last 4 years of our hard work, I would like everyone to take a look back to the beginning of this great journey and recall the moments that made it so memorable.

Four years ago, we entered this university as young adults with many dreams and ambitions. Some of us aspired to be at the top of our class, many wanted to lead student societies, and others wanted to land prestigious internships and job offers. In this way, each one of us traveled our own paths in this great journey. Often, the best memories were created when these paths crossed, and we shared those moments together. Late nights spent together at the library working on assignments, beautiful evenings spent at the pier, hall and society events attended together. All these instances where our otherwise diverging paths would converge, even if for only a few minutes, are the moments that will last forever in our hearts. As we neared the end of our university journey, with project deadlines drawing closer and the thoughts of our futures constantly looming over our heads, we began to cherish these moments even more and the people we shared the paths together with.

I am truly honored to be given this chance to deliver the valedictory address. My journey in HKUST was quite a rocky one - in no way could my freshman self imagine being here now. Arriving at HKUST for the first time, I was very disorganized– many of my friends would tell you that I even forgot to apply for a hall position. I was always nervous about things like course enrollment and major requirements that I constantly needed help from my peers and wonderful advisors. In this way, my journey, and I'm sure many of yours, was not only a journey of education, but one of constant self-improvement and of gaining a sense of responsibility. Day by day, as we traversed our paths, we grew. Even though our journeys didn't get any easier, things that were once daunting are now trivial.

None of this would have been possible without the constant support of our families and friends. Not the least without our professors who instilled us with the knowledge and skills to excel, and staff who always believed in us. Even through the troubles of the last two years with the COVID-19 pandemic, these beacons of support had our backs. Through thick and thin, we've braved it all – and that's all thanks to you! Thank you all for being part of our journey.

To the Class of 2021, our journey in HKUST may be over, but we are all the more prepared for any journey to come. May our futures be bright as ever and our paths cross yet again, good luck!

Vignesh Gopalakrishnan

理學士（化學）

各位來賓、家長及畢業生，很高興大家今天第一次聚首於這座漂亮的逸夫演藝中心，祝賀2021年畢業生的卓越成就。與此同時，我誠邀大家進入一段回憶之旅，回顧我們在大學生涯中難忘的時刻。

四年前，我們帶著夢想與抱負踏入科大，對校園生活有著不同的憧憬。我們希望成為班中的佼佼者，或學生社團的領袖，又或是得到難能可貴的實習經驗，甚至獲得良好的工作機會。就這樣，我們各自踏上不同的旅途，向不同的目標進發。最美好的回憶，總會在這些路途的交叉點上不期而遇：在圖書館一起為功課徹夜奮鬥的時刻、在碼頭度過的傍晚、在舍堂及學會中參加過的活動，那怕只是片刻相聚，一切都會永遠種在我們的心田。隨著大學旅程走近尾聲，各項作業專案期限愈加接近，我們亦對未來愈感徬徨，也更珍惜一起相聚的時光及曾經與我們分享悲與喜的同伴。

今天我很榮幸有機會在此發表畢業致辭。猶記得初來甫到時，我做事沒什麼條理，例如我會忘記申請舍堂宿位；同時又神經緊張，會對課程選擇及主修要求等感到不安，經常需要同學與學務輔導同事的幫助。大學生涯不單是一段學術之路，更是一場自我完善、提升責任感的旅程。日復日，我們在越過不同道路的期間成長了。儘管我們的旅程並沒有變得更輕鬆，但那些曾經使人氣餒的瑣事現已變得微不足道了。

如果當初缺少了家人與朋友的支持，我們將無法經歷這一切的成長與進步。同時，教授所灌輸的知識與技能以及職員所給予的信任，一一成為了我們成長的養分。即使過去兩年新冠肺炎肆虐，身邊的人總如燈塔般照亮及守護著我們，以致我們能夠無懼風雨，克服逆境。這一切，全歸功於你！感謝你們參與我們這一段旅程。

對本屆畢業生而言，我們在科大的旅程或已結束，但我們亦為即將到來的旅程做足準備。願我們的未來能夠一如既往地發光發亮，亦願我們在彼此的路途上再次相遇。祝願大家前程似錦！

ORDER OF PROCEEDINGS

SESSION 1
11:00am, November 26, 2021

UNIVERSITY-WIDE DEGREE CONFERMENT

1. The Council Vice-Chairman declares the Congregation open

2. The President addresses the Congregation

3. The Acting Dean of Science presents candidates for the Degrees of DOCTOR OF PHILOSOPHY, MASTER OF PHILOSOPHY, MASTER OF SCIENCE and BACHELOR OF SCIENCE

4. The Dean of Engineering presents candidates for the Degrees of DOCTOR OF PHILOSOPHY, MASTER OF PHILOSOPHY, MASTER OF SCIENCE, BACHELOR OF ENGINEERING and BACHELOR OF SCIENCE

5. The Dean of Business and Management presents candidates for the Degrees of DOCTOR OF PHILOSOPHY, MASTER OF PHILOSOPHY, EXECUTIVE MASTER OF BUSINESS ADMINISTRATION, MASTER OF BUSINESS ADMINISTRATION, MASTER OF SCIENCE, BACHELOR OF BUSINESS ADMINISTRATION and BACHELOR OF SCIENCE

6. The Dean of Humanities and Social Science presents candidates for the Degrees of DOCTOR OF PHILOSOPHY, MASTER OF PHILOSOPHY, MASTER OF ARTS, MASTER OF SCIENCE and BACHELOR OF SCIENCE

7. The Director of Interdisciplinary Programs Office presents candidates for the Degrees of DOCTOR OF PHILOSOPHY, MASTER OF PHILOSOPHY, MASTER OF PUBLIC POLICY, MASTER OF SCIENCE and BACHELOR OF SCIENCE

8. The Council Vice-Chairman admits candidates to their degrees

9. The Graduate Representatives address the Congregation

10. The President presents the “Stephen Cheong Kam-chuen Medal for Distinguished Service to the Student Body”

11. The President presents the “Michael G Gale Medal for Distinguished Teaching”

12. The Council Vice-Chairman declares the Congregation closed

Mace carried by
Professor Angela WU

典　禮　程　序

第一節
2021年11月26日 上午11時正

學位頒授典禮

1. 校董會副主席宣佈典禮開始

2. 校長致辭

3. 署理理學院院長宣讀哲學博士、哲學碩士、理學碩士及理學士學位畢業生名單

4. 工學院院長宣讀哲學博士、哲學碩士、理學碩士、工學士及理學士學位畢業生名單

5. 工商管理學院院長宣讀哲學博士、哲學碩士、高層管理人員工商管理碩士、工商管理碩士、理學碩士、工商管理學士及理學士學位畢業生名單

6. 人文社會科學學院院長宣讀哲學博士、哲學碩士、文學碩士、理學碩士及理學士學位畢業生名單

7. 跨學科課程事務處處長宣讀哲學博士、哲學碩士、公共政策碩士、理學碩士、理學士學位畢業生名單

8. 校董會副主席頒授學位予畢業生

9. 畢業生代表致辭

10. 校長頒授「張鑑泉卓越學生服務獎章」予獲獎之學生

11. 校長頒授「祁敖卓越教學服務獎章」予獲獎之教授

12. 校董會副主席宣佈禮成

吳若昊教授持大學權杖

DEGREES CONFERRED 頒授之學位

SCHOOL OF SCIENCE 理學院

PhD in Chemistry	哲學博士 (化學)	36
PhD in Life Science	哲學博士 (生命科學)	31
PhD in Marine Environmental Science	哲學博士 (海洋環境科學)	5
PhD in Mathematics	哲學博士 (數學)	10
PhD in Nano Science and Technology	哲學博士 (納米科學與技術)	4
PhD in Physics	哲學博士 (物理學)	14
MPhil in Chemistry	哲學碩士 (化學)	8
MPhil in Life Science	哲學碩士 (生命科學)	31
MPhil in Marine Environmental Science	哲學碩士 (海洋環境科學)	4
MPhil in Mathematics	哲學碩士 (數學)	9
MPhil in Physics	哲學碩士 (物理學)	6
MSc in Analytical Chemistry	理學碩士 (分析化學)	61
MSc in Biotechnology	理學碩士 (生物科技)	46
MSc in Data-Driven Modeling	理學碩士 (數據建模)	54
MSc in Environmental Health and Safety	理學碩士 (環境健康及安全)	56
MSc in Financial Mathematics	理學碩士 (金融數學)	84
MSc in Mathematics for Educators	理學碩士 (教育數學)	22
BSc in Biotechnology #	理學士 (生物科技) #	1
BSc in Biochemistry and Cell Biology, and in Computer Science	理學士 (生物化學及細胞生物學及計算機科學)	1
BSc in Biochemistry and Cell Biology, and in Mathematics	理學士 (生物化學及細胞生物學及數學)	1
BSc in Biotechnology, and in Computer Science	理學士 (生物科技及計算機科學)	1
BSc in Chemistry, and in Mathematics	理學士 (化學及數學)	1
BSc in Data Science and Technology, and in Computer Science	理學士 (數據科學與技術及計算機科學)	4
BSc in Mathematics, and in Computer Science	理學士 (數學及計算機科學)	5
BSc in Mathematics, and in Physics	理學士 (數學及物理學)	1
BSc in Mathematics and Economics, and in Computer Science	理學士 (數學與經濟學及計算機科學)	3
BSc in Mathematics and Economics, and in Data Science and Technology	理學士 (數學與經濟學及數據科學與技術)	1
BSc in Physics, and in Computer Science	理學士 (物理學及計算機科學)	2
BSc in Physics, and in Mathematics	理學士 (物理學及數學)	2
BSc in Biochemistry and Cell Biology, and an additional Major in Electronic Engineering	理學士 (生物化學及細胞生物學) 及電子工程學主修	1
BSc in Data Science and Technology, and an additional Major in Mathematics	理學士 (數據科學與技術) 及數學主修	1
BSc in Data Science and Technology, and an additional Major in Quantitative Finance	理學士 (數據科學與技術) 及量化金融學主修	1
BSc in Biochemistry and Cell Biology	理學士 (生物化學及細胞生物學)	70
BSc in Biological Science	理學士 (生物科學)	56
BSc in Biotechnology	理學士 (生物科技)	111
BSc in Biotechnology and Business	理學士 (生物科技及商學)	47
BSc in Chemistry	理學士 (化學)	75
BSc in Data Science and Technology	理學士 (數據科學與技術)	30
BSc in Environmental Science	理學士 (環境科學)	32
BSc in Mathematics	理學士 (數學)	125
BSc in Mathematics and Economics	理學士 (數學與經濟學)	27
BSc in Physics	理學士 (物理學)	45
School Total	**學院總人數**	**1125**

SCHOOL OF ENGINEERING 工學院

PhD in Bioengineering	哲學博士 (生物工程學)	4
PhD in Chemical and Biomolecular Engineering	哲學博士 (化學工程及生物分子工程學)	14
PhD in Civil Engineering	哲學博士 (土木工程學)	35
PhD in Computer Science and Engineering	哲學博士 (計算機科學及工程學)	27
PhD in Electronic and Computer Engineering	哲學博士 (電子及計算機工程學)	46
PhD in Environmental Engineering	哲學博士 (環境工程學)	4
PhD in Industrial Engineering and Logistics Management	哲學博士 (工業工程及物流管理學)	10
PhD in Mechanical Engineering	哲學博士 (機械工程學)	37
MPhil in Bioengineering	哲學碩士 (生物工程學)	6
MPhil in Chemical and Biomolecular Engineering	哲學碩士 (化學工程及生物分子工程學)	8
MPhil in Civil Engineering	哲學碩士 (土木工程學)	6
MPhil in Computer Science and Engineering	哲學碩士 (計算機科學及工程學)	28
MPhil in Electronic and Computer Engineering	哲學碩士 (電子及計算機工程學)	21
MPhil in Environmental Engineering	哲學碩士 (環境工程學)	4
MPhil in Industrial Engineering and Decision Analytics	哲學碩士 (工業工程及決策分析學)	6
MPhil in Industrial Engineering and Logistics Management	哲學碩士 (工業工程及物流管理學)	1
MPhil in Mechanical Engineering	哲學碩士 (機械工程學)	10
MPhil in Technology Leadership and Entrepreneurship	哲學碩士 (科技領導及創業)	15
MSc in Aeronautical Engineering	理學碩士 (航空工程)	32
MSc in Big Data Technology	理學碩士 (大數據科技)	106
MSc in Chemical and Biomolecular Engineering	理學碩士 (化學工程及生物分子工程學)	36
MSc in Civil Infrastructural Engineering and Management	理學碩士 (土木基建工程及管理)	69
MSc in Electronic Engineering	理學碩士 (電子工程學)	78
MSc in Engineering Enterprise Management	理學碩士 (工程企業管理)	63
MSc in Environmental Engineering and Management	理學碩士 (環境工程學及管理)	55
MSc in IC Design Engineering	理學碩士 (集成電路設計工程)	37
MSc in Information Technology	理學碩士 (資訊科技)	61
MSc in Intelligent Building Technology and Management	理學碩士 (智能建築物技術與管理)	72
MSc in Mechanical Engineering	理學碩士 (機械工程學)	73
MSc in Telecommunications	理學碩士 (電信學)	74
BSc in Computer Science, and in Data Science and Technology	理學士 (計算機科學及數據科學與技術)	2
BSc in Computer Science, and in Mathematics and Economics	理學士 (計算機科學及數學與經濟學)	1
BSc in Computer Science, and an additional Major in Electronic Engineering	理學士 (計算機科學) 及電子工程學主修	2
BSc in Computer Science, and an additional Major in Mathematics	理學士 (計算機科學)及數學主修	14
BSc in Computer Science, and an additional Major in Quantitative Finance	理學士 (計算機科學)及量化金融學主修	1
BSc in Integrative Systems and Design	理學士 (綜合系統與設計)	1
BEng in Chemical and Biomolecular Engineering ^	工學士 (化學及生物分子工程學) ^	1
BEng in Chemical Engineering ^	工學士 (化學工程學) ^	1
BEng in Civil and Environmental Engineering ^	工學士 (土木及環境工程學) ^	1

^ *Graduates from the Dual Degree Program in Technology and Management earn two degrees, BEng and BBA.*
修畢科技及管理學雙學位課程之畢業生同時獲頒授工學士及工商管理學士學位。

\# *Graduates from the Dual Degree Program in Technology and Management earn two degrees, BSc and BBA.*
修畢科技及管理學雙學位課程之畢業生同時獲頒授理學士及工商管理學士學位。

SCHOOL OF ENGINEERING 工學院

BEng in Civil Engineering ^	工學士 (土木工程學) ^	7
BEng in Computer Engineering ^	工學士 (計算機工程學) ^	4
BEng in Computer Science ^	工學士 (計算機科學) ^	12
BEng in Decision Analytics ^	工學士 (決策分析學) ^	1
BEng in Electronic Engineering ^	工學士 (電子工程學) ^	1
BEng in Logistics Management and Engineering ^	工學士 (物流管理及工程學) ^	1
BEng in Mechanical Engineering ^	工學士 (機械工程學) ^	2
BEng in Chemical Engineering, and in Bioengineering	工學士 (化學工程學及生物工程學)	1
BEng in Mechanical Engineering, and in Civil Engineering	工學士 (機械工程學及土木工程學)	1
BEng in Mechanical Engineering, and in Sustainable Energy Engineering	工學士 (機械工程學及可持續能源工程學)	1
BEng in Aerospace Engineering, and an additional Major in Mathematics	工學士 (航空航天工程學) 及數學主修	1
BEng in Chemical and Biomolecular Engineering, and an additional Major in Computer Science	工學士 (化學及生物分子工程學) 及計算機科學主修	1
BEng in Computer Engineering, and an additional Major in Mathematics	工學士 (計算機工程學) 及數學主修	1
BEng in Computer Science, and an additional Major in Mathematics	工學士 (計算機科學) 及數學主修	1
BEng in Electronic Engineering, and an additional Major in Computer Science	工學士 (電子工程學) 及計算機科學主修	1
BEng in Electronic Engineering, and an additional Major in Finance	工學士 (電子工程學) 及金融學主修	1
BEng in Mechanical Engineering, and an additional Major in Computer Science	工學士 (機械工程學) 及計算機科學主修	2
BEng in Aerospace Engineering	工學士 (航空航天工程學)	38
BEng in Bioengineering	工學士 (生物工程學)	2
BEng in Chemical and Biomolecular Engineering	工學士 (化學及生物分子工程學)	11
BEng in Chemical and Environmental Engineering	工學士 (化學及環境工程學)	16
BEng in Chemical Engineering	工學士 (化學工程學)	14
BEng in Civil and Environmental Engineering	工學士 (土木及環境工程學)	15
BEng in Civil Engineering	工學士 (土木工程學)	135
BEng in Computer Engineering	工學士 (計算機工程學)	113
BEng in Computer Science	工學士 (計算機科學)	126
BEng in Decision Analytics	工學士 (決策分析學)	25
BEng in Electronic Engineering	工學士 (電子工程學)	105
BEng in Industrial Engineering and Engineering Management	工學士 (工業工程及工程管理學)	42
BEng in Logistics Management and Engineering	工學士 (物流管理及工程學)	6
BEng in Mechanical Engineering	工學士 (機械工程學)	116
BEng in Sustainable Energy Engineering	工學士 (可持續能源工程學)	6
School Total	**學院總人數**	**1871**

SCHOOL OF BUSINESS AND MANAGEMENT 工商管理學院

PhD in Accounting	哲學博士 (會計學)	3
PhD in Economics	哲學博士 (經濟學)	2
PhD in Finance	哲學博士 (金融學)	1
PhD in Information Systems	哲學博士 (資訊系統學)	2
PhD in Management	哲學博士 (管理學)	2
PhD in Marketing	哲學博士 (市場學)	3
PhD in Operations Management	哲學博士 (營運管理學)	3
MPhil in Accounting	哲學碩士 (會計學)	3
MPhil in Economics	哲學碩士 (經濟學)	1
MPhil in Finance	哲學碩士 (金融學)	3
MPhil in Information Systems	哲學碩士 (資訊系統學)	1
MPhil in Management	哲學碩士 (管理學)	1
MPhil in Marketing	哲學碩士 (市場學)	2
MPhil in Operations Management	哲學碩士 (營運管理學)	2
MSc in Accounting	理學碩士 (會計學)	70
MSc in Business Analytics	理學碩士 (商業分析)	62
MSc in Economics	理學碩士 (經濟學)	117
MSc in Finance	理學碩士 (金融學)	61
MSc in Financial Analysis	理學碩士 (金融分析學)	16
MSc in Financial Technology	理學碩士 (金融科技)	54
MSc in Global Finance	理學碩士 (環球金融)	44
MSc in Global Operations	理學碩士 (環球運營管理)	63
MSc in Information Systems Management	理學碩士 (資訊系統管理學)	63
MSc in International Management	理學碩士 (國際管理)	26
MSc in Investment Management	理學碩士 (投資管理學)	90
Executive Master of Business Administration	高層管理人員工商管理碩士	1
Master of Business Administration*	工商管理碩士*	2
Master of Business Administration	工商管理碩士	243
BSc in Economics and Finance, and in Computer Science	理學士 (經濟及金融學及計算機科學)	1
BSc in Quantitative Finance, and in Computer Science	理學士 (量化金融學及計算機科學)	5
BSc in Economics and Finance, and an additional Major in Information Systems	理學士 (經濟及金融學) 及資訊系統學主修	3
BSc in Economics and Finance, and an additional Major in Marketing	理學士 (經濟及金融學) 及市場學主修	1
BSc in Economics and Finance	理學士 (經濟及金融學)	62
BSc in Quantitative Finance	理學士 (量化金融學)	33
BBA in Global Business, in Finance, and in Management	工商管理學士 (環球商業管理、金融學及管理學)	1
BBA in Operations Management, in Finance, and in Information Systems	工商管理學士 (營運管理學、金融學及資訊系統學)	1
BBA in Economics, and in Finance	工商管理學士 (經濟學及金融學)	4
BBA in Economics, and in Information Systems	工商管理學士 (經濟學及資訊系統學)	10
BBA in Economics, and in Management	工商管理學士 (經濟學及管理學)	4
BBA in Economics, and in Marketing	工商管理學士 (經濟學及市場學)	6
BBA in Economics, and in Operations Management	工商管理學士 (經濟學及營運管理學)	9
BBA in Finance, and in Economics	工商管理學士 (金融學及經濟學)	13
BBA in Finance, and in Information Systems	工商管理學士 (金融學及資訊系統學)	30
BBA in Finance, and in Management	工商管理學士 (金融學及管理學)	5
BBA in Finance, and in Marketing	工商管理學士 (金融學及市場學)	4
BBA in Finance, and in Operations Management	工商管理學士 (金融學及營運管理學)	12
BBA in Finance, and in Professional Accounting	工商管理學士 (金融學及專業會計學)	8
BBA in Finance, and an additional Major in Mathematics	工商管理學士 (金融學) 及數學主修	1
BBA in Global Business, and in Economics	工商管理學士 (環球商業管理及經濟學)	11
BBA in Global Business, and in Finance	工商管理學士 (環球商業管理及金融學)	20
BBA in Global Business, and in Information Systems	工商管理學士 (環球商業管理及資訊系統學)	11
BBA in Global Business, and in Management	工商管理學士 (環球商業管理及管理學)	2
BBA in Global Business, and in Marketing	工商管理學士 (環球商業管理及市場學)	5

* *This program is jointly offered by Northwestern University and HKUST.*
此學位課程由美國西北大學與香港科技大學合辦。

SCHOOL OF BUSINESS AND MANAGEMENT　工商管理學院

BBA in Information Systems, and in Economics	工商管理學士 (資訊系統學及經濟學)	8
BBA in Information Systems, and in Finance	工商管理學士 (資訊系統學及金融學)	10
BBA in Information Systems, and in Management	工商管理學士 (資訊系統學及管理學)	10
BBA in Information Systems, and in Marketing	工商管理學士 (資訊系統學及市場學)	34
BBA in Information Systems, and in Operations Management	工商管理學士 (資訊系統學及營運管理學)	10
BBA in Information Systems, and in Professional Accounting	工商管理學士 (資訊系統學及專業會計學)	10
BBA in Management, and in Economics	工商管理學士 (管理學及經濟學)	4
BBA in Management, and in Information Systems	工商管理學士 (管理學及資訊系統學)	6
BBA in Management, and in Marketing	工商管理學士 (管理學及市場學)	16
BBA in Management, and in Operations Management	工商管理學士 (管理學及營運管理學)	1
BBA in Management, and in Professional Accounting	工商管理學士 (管理學及專業會計學)	1
BBA in Marketing, and in Economics	工商管理學士 (市場學及經濟學)	1
BBA in Marketing, and in Information Systems	工商管理學士 (市場學及資訊系統學)	19
BBA in Marketing, and in Management	工商管理學士 (市場學及管理學)	42
BBA in Marketing, and in Operations Management	工商管理學士 (市場學及營運管理學)	10
BBA in Marketing, and in Professional Accounting	工商管理學士 (市場學及專業會計學)	1
BBA in Operations Management, and in Economics	工商管理學士 (營運管理學及經濟學)	6
BBA in Operations Management, and in Finance	工商管理學士 (營運管理學及金融學)	3
BBA in Operations Management, and in Information Systems	工商管理學士 (營運管理學及資訊系統學)	20
BBA in Operations Management, and in Management	工商管理學士 (營運管理學及管理學)	11
BBA in Operations Management, and in Marketing	工商管理學士 (營運管理學及市場學)	19
BBA in Operations Management, and in Professional Accounting	工商管理學士 (營運管理學及專業會計學)	3
BBA in Professional Accounting, and in Economics	工商管理學士 (專業會計學及經濟學)	7
BBA in Professional Accounting, and in Finance	工商管理學士 (專業會計學及金融學)	12
BBA in Professional Accounting, and in Information Systems	工商管理學士 (專業會計學及資訊系統學)	40
BBA in Professional Accounting, and in Management	工商管理學士 (專業會計學及管理學)	33
BBA in Professional Accounting, and in Marketing	工商管理學士 (專業會計學及市場學)	19
BBA in Professional Accounting, and in Operations Management	工商管理學士 (專業會計學及營運管理學)	24
BBA in Professional Accounting, and an additional Major in Computer Science	工商管理學士 (專業會計學) 及計算機科學主修	1
BBA in Economics	工商管理學士 (經濟學)	21
BBA in Finance	工商管理學士 (金融學)	18
BBA in General Business Management ^	工商管理學士 (綜合商業管理學) ^	31
BBA in General Business Management #	工商管理學士 (綜合商業管理學) #	1
BBA in General Business Management	工商管理學士 (綜合商業管理學)	18
BBA in Global Business	工商管理學士 (環球商業管理)	8
BBA in Information Systems	工商管理學士 (資訊系統學)	21
BBA in Management	工商管理學士 (管理學)	30
BBA in Marketing	工商管理學士 (市場學)	33
BBA in Operations Management	工商管理學士 (營運管理學)	15
BBA in Professional Accounting	工商管理學士 (專業會計學)	38
BBA in World Business	工商管理學士 (全球商業管理)	36
School Total	**學院總人數**	**1854**

SCHOOL OF HUMANITIES AND SOCIAL SCIENCE　人文社會科學學院

PhD in Humanities	哲學博士 (人文學)	5
PhD in Social Science	哲學博士 (社會科學)	4
MPhil in Humanities	哲學碩士 (人文學)	3
MPhil in Social Science	哲學碩士 (社會科學)	8
MA in Chinese Culture	文學碩士 (中國文化)	30
MA in International Language Education	文學碩士 (國際語言教育)	80
MA in Social Science	文學碩士 (社會科學)	38
MSc in Global China Studies	理學碩士 (環球中國研究)	47
BSc in Quantitative Social Analysis, and in Computer Science	理學士 (定量社會數據分析及計算機科學)	1
BSc in Global China Studies: Humanities and Social Science, and an additional Major in Economics	理學士 (環球中國研究:人文及社會科學) 及經濟學主修	1
BSc in Global China Studies: Humanities and Social Science	理學士 (環球中國研究:人文及社會科學)	53
BSc in Quantitative Social Analysis	理學士 (定量社會數據分析)	28
School Total	**學院總人數**	**298**

INTERDISCIPLINARY PROGRAMS OFFICE　跨學科課程事務處

PhD in Environmental Science, Policy and Management	哲學博士 (環境科學、政策及管理)	5
PhD in Public Policy	哲學博士 (公共政策)	1
MPhil in Atmospheric Environmental Science	哲學碩士 (大氣環境科學)	7
MPhil in Environmental Science, Policy and Management	哲學碩士 (環境科學、政策及管理)	3
MPhil in Individualized Interdisciplinary Program (Application of Deep Learning for Smart Construction)	哲學碩士 (跨學科自選課程 – 深度學習在智慧建造的應用)	1
MPhil in Individualized Interdisciplinary Program (Environmental Engineering)	哲學碩士 (跨學科自選課程 – 環境工程)	1
MPhil in Individualized Interdisciplinary Program (Integrated Chemo-Sensing and Bio-Sensing Technology)	哲學碩士 (跨學科自選課程 – 集成化學傳感和生物傳感技術)	1
MPhil in Individualized Interdisciplinary Program (Internet of Things and Sensor Network)	哲學碩士 (跨學科自選課程 – 物聯網與傳感器網絡)	1
MPhil in Individualized Interdisciplinary Program (Robotics)	哲學碩士 (跨學科自選課程 – 機器人)	1
MPhil in Individualized Interdisciplinary Program (Robotics and Autonomous Systems)	哲學碩士 (跨學科自選課程 – 機器人技術與自動化系統)	2
MPhil in Public Policy	哲學碩士 (公共政策)	1
MPhil in Smart Manufacturing	哲學碩士 (智能製造)	1
Master of Public Policy	公共政策碩士	53
MSc in Environmental Science and Management	理學碩士 (環境科學及管理)	61
BSc in Risk Management and Business Intelligence, and in Computer Science	理學士 (風險管理及商業智能學及計算機科學)	1
BSc in Environmental Management and Technology	理學士 (環境管理及科技)	32
BSc in Risk Management and Business Intelligence	理學士 (風險管理及商業智能學)	46
Interdisciplinary Programs Office Total	**跨學科課程事務處總人數**	**218**

UNIVERSITY TOTAL　全大學合計　5366

^ *Graduates from the Dual Degree Program in Technology and Management earn two degrees, BEng and BBA.*
修畢科技及管理學雙學位課程之畢業生同時獲頒授工學士及工商管理學士學位。

\# *Graduates from the Dual Degree Program in Technology and Management earn two degrees, BSc and BBA.*
修畢科技及管理學雙學位課程之畢業生同時獲頒授理學士及工商管理學士學位。

Titles of PhD Theses Completed in 2020-21

Candidate, title of thesis, with thesis supervisor(s) in brackets

SCHOOL OF SCIENCE

Doctor of Philosophy in Chemistry

BAI, Fujin, Material Design and Device Fabrication for High-Performance Non-Fullerene Organic Photovoltaics, (YAN, He)

BENACHIGERE SHIVARUDRAIAH, Sunil, “Materials Chemistry and Device Design: Improving the Functionality of Perovskite Optoelectronic Devices”, (HALPERT, Jonathan Eugene)

CHAI, Gaoda, Molecular Design and Synthesis of Non-fullerene Acceptors for the High-Performance Organic Solar Cells, (YAN, He)

CHEUNG, Tsz Shing, The Exploration of Long-lived Excited States of Pure Organic Materials, (TANG, Benzhong)

DE GRANO, Ruel Valerio Robles, Crystallization Studies Relating to some Natural Product Pharmaceuticals, (WILLIAMS, Ian Duncan)

FENG, Qiang, Selective Functionalization of Hetero-substituted Alkynes, (SUN, Jianwei)

GONG, Junyi, Beyond “Solvatochromism”: Photophysics of Organic Photoluminescent Materials in Solution and Aggregates, (TANG, Benzhong)

GUO, Xueying, Theoretical Studies on Reactivity of Organoboron Compounds, Transition Metal Boryl Complexes, and Acyclic Silylene, (LIN, Zhenyang)

HE, Wei, Development of Functional AIE Materials for Bioimaging and Phototheranostics, (TANG, Benzhong)

HUANG, Jiachen, Small Molecular Hole-Transporting Materials for Efficient Inverted Perovskite Solar Cells, (YAN, He and GUO, Xugang (SUSTech))

KONOVALOV, Kirill, Mechanisms of Transcription: RNA Polymerase II Elongation Complex with DNA Modifications Studied with Molecular Dynamics Simulations, (HUANG, Xuhui)

LEE, Mei Suet, Exploration of Fluorescent Materials with Aggregation-Induced Emission Characteristics for Bacterial Imaging and Antibacterial Therapy, (TANG, Benzhong)

LI, Lijun, Versatile Microenvironment-controlled Microfluidic Platforms for Studying Cell Behaviors, (HUANG, Wei (SUSTech) and WU, Hongkai)

LI, Qiyao, Noncovalent Interactions-Mediated Aggregation-Induced Emission Systems: Design, Synthesis and Applications, (TANG, Benzhong)

LIANG, Lixin, Green Oxidation of Indoles and Collective Total Syntheses of Indole Alkaloids, (TONG, Rongbiao)

LIN, Xuyan, Microfluidic bioassays mediated by chip-integrated luminescence-based temperature and pH sensors, (NAGL, Stefan)

LIU, Chenchen, Development of Novel AIEgens Based on Benzothiadiazole for Biological Applications, (TANG, Benzhong)

LIU, Junkai, Mechanistic Study on Molecular Motions and Through-space Interactions in Organic Luminescent Aggregates, (TANG, Benzhong)

LIU, Xiaolin, Functional Polymers Synthesized by New Alkyne-Based Polymerizations, (TANG, Benzhong)

LU, Zhangdi, Water-Stable Perovskite Nanocrystals as Luminescent Temperature Probes in Microfluidic Systems, (NAGL, Stefan)

MAO, Jiatao, Ion solubility in high capacity electrolytes for redox flow battery, (CHEN, Qing)

QIU, Wenting, Integration of Optical Chemical Sensors into Digital Microfluidic Platforms for Cell-Based Assays, (NAGL, Stefan)

SOECIPTO, Aristyo, The Synthesis and Application of Spiro-Cations and Anions for Chiral Resolution, (WILLIAMS, Ian Duncan)

SUAREZ VASQUEZ, Michael Alexander, Deep Learning Methods to Find Potential Inhibitor Fragments for Proteins, (HUANG, Xuhui)

TANG, Chun Wai, The Chemistry of Redox Flow Batteries and Ruthenium Hydride Complexes, (JIA, Guocheng)

WANG, Dong, Point-of-care Pathogen Detection Based on Isothermal Amplification Methods, (WU, Hongkai)

WANG, Jiantao, Precursor Compositions, Interfacial Materials and Device Fabrication for Perovskite Solar Cells, (WU, Hongkai and WANG, Hsing-Lin (SUSTech))

WANG, Zhaoyu, Aggregation-Induced Emission: from Mechanisms to Applications, (TANG, Benzhong)

XU, Wenhan, High-performance Triphenylamine Core as a Building Block for Diverse Construction of AIEgens and Exploration of Biological Applications, (TANG, Benzhong)

YANG, Shida, Electrochemical Kinetics on Porous Electrodes, (CHEN, Qing)

YU, Han, Design and Synthesis of Electron Acceptor Materials for High-Performance Organic Solar Cells, (YAN, He)

YU, Ying, Constructing Red and Near-Infrared AIEgens for OLEDs and Bioimaging, (TANG, Benzhong)

ZHANG, Tianfu, Development of New Aggregation-Induced Emission Luminogens for Biomedical Applications, (TANG, Benzhong)

ZHAO, Xueqian, New Stimuli-Responsive Aggregation-Induced Emission Systems: Development, Mechanisms and Applications, (TANG, Benzhong)

ZHOU, Zhicong, Synthesis and Downconversion Applications for Metal-Metal Halides, (HALPERT, Jonathan Eugene)

ZHU, Hongni, Membrane Proteins Investigated by Surface-enhanced Raman Spectroscopy and Langmuir Techniques, (HUANG, Jinqing)

Doctor of Philosophy in Life Science

BAI, Guanhua, Structural and Biochemical Characterization of Scaffold Proteins in the Inhibitory Postsynaptic Density, (ZHANG, Mingjie)

CHEN, Sidong, Investigating Exocytosis and Dynamics of Synaptic Vesicles in a Mouse Model of Huntington’s Disease, (PARK, Hyo Keun)

CHEN, Xianwei , Dusp27 Promotes Sarcomere Assembly During Both Muscle Development and Regeneration, (WU, Zhenguo)

CHEN, Yiyun, Tracing Noncoding and Single-Cell Level Transcription Markers of Patient Prognosis, (WANG, Jiguang)

CRNCEC, Adrijana, A New Chemical Genetics Toolbox to Analyse Genes Essential for the Mitotic Entry, (HOCHEGGER, Helfrid (University of Sussex) and POON, Randy Yat Choi)

DIN, Rahman Ud, Mechanistic and Structural Exploration of Protein Interactions and G-quadruplexes in DNA Replication, (ZHU, Guang and XUE, Hong)

DONG, Anqi, Deciphering Chromatin Accessibility Changes during Muscle Stem Cell Quiescence Exit and Lineage Progression, (CHEUNG, Tom)

KWAN, Kin Leung, Mass Spectrometry Based Multi-Omics Technology in Resolving Action Mechanism of Herbal Medicine, (LAM, Henry Hei Ning and TSIM, Karl Wah Keung)

LAU, Shun Fat, The Functional Roles of IL-33-Dependent Transcriptome Reprogramming in Microglial Clearance in Alzheimer's Disease, (IP, Nancy Yuk-Yu)

LI, Yunlong, Molecular Basis of Metal Hyperaccumulation in Oysters: Revealed by Transcriptomics and Proteomics, (WANG, Wenxiong and TSIM, Karl Wah Keung)

LIN, Kangning, Investigating the role of Rbfox2 during muscle regeneration, (CHEUNG, Tom)

OUYANG, Li, Investigation of Protective Roles of *IL1RL1* Genetic Variant in Endothelial Functions and Alzheimer's Disease, (IP, Nancy Yuk-Yu)

RENOM, Allan Patrick Stephane, Evaluation of the Potential Role of Ca^{2+} Signaling in Heart Looping in Zebrafish Embryos, and Development of a 3D Multi-Parameter Method to Quantify Heart Looping and Heart Volumes, (CHOW, King Lau)

SAINI, Vasu, Elevated Exosomal Nm23-H1 Subdues the Pro-migratory Potential of Breast Cancer Cell-derived Exosomes, (WONG, Yung Hou)

SHI, Xiao, Biochemical and Structural Studies of G-quadruplex Interacting with Cell Division Cycle 6 (Cdc6) and Epstein-Barr Nuclear Antigen 1 (EBNA1), (ZHU, Guang)

SUNG, Chun Chau, Phosphorylation of α-synuclein in Relation to the Pathogenesis and Treatment of Parkinson's Disease, (CHUNG, Kenny K)

TANG, Xiao, Molecular Mechanisms that Regulate the Sorting and Surface Delivery of the Planar Cell-polarity Protein Frizzled-6 and a Morphogen Sonic Hedgehog, (GUO, Yusong)

ULLAH, Ata, An Omics Study on $GABA_A$ Receptors in Neuropsychiatric Disorders, (ZHU, Guang and XUE, Hong)

WANG, Yang, Termination of Mitotic Arrest: A Study of Molecular Mechanisms of Mitotic Cell Death and Mitotic Slippage, (POON, Randy Yat Choi)

WANG, Ye, Role of IL-33/ST2 Signaling in Homeostatic Synaptic Plasticity in the Hippocampus, (IP, Nancy Yuk-Yu)

WU, Xiandeng, Presynaptic Active Zone Organization via Liquid-liquid Phase Separation, (ZHANG, Mingjie)

YANG, Feng, Investigating Molecular Mechanisms Regulating Localization of Arf Family Proteins and Secretion of Insulin Like Growth Factor II, (GUO, Yusong)

YANG, Gege, Studies on Remodeling and Sorting of Glycosylphosphatidylinositol-anchored Proteins in *Saccharomyces cerevisiae*, (BANFIELD, David Karl)

YANG, Shaozhong, Characterizing Interaction between Microtubule Organizer αTuRC and Its Stimulator CDK5RAP2, (QI, Robert Zhong)

YI, Ran, Investigating the Molecular Regulation of Skeletal Muscle Stem Cell Quiescence Exit, (CHEUNG, Tom)

ZENG, Lidan, NHR-49 and NHR-79 promote peroxisomal proliferation and function in response to ALH-4 deficiency in *C. elegans*, (MAK, Ho Yi)

ZENG, Wenshu, Molecular Regulation of Mouse Muscle Stem Cell Quiescence Exit and Aging, (CHEUNG, Tom)

ZHANG, Lina, Investigation of JNK Signaling Pathway in a *Drosophila* Tumor Model, (YAN, Yan)

ZHAO, Qirui, Novel Bead-based Single-molecule Pull-down for Cell Populations and Single Cells and Dye Uptake-based Drug Screening Targeting TRPV1, (HUANG, Pingbo)

ZHOU, Shaopu , Paxbp1 Controls a Key Checkpoint for Cell Growth and Survival during Early Activation of Quiescent Muscle Satellite Cell, (WU, Zhenguo)

ZHOU, Xuemeng, Characterizing the Regulation and Function of Endogenous Retroviruses in Mammalian Pluripotent Cells, (LEUNG, Danny Chi Yeu)

Doctor of Philosophy in Marine Environmental Science

LI, Chongping, DNA Damage Responses in the Dinoflagellate *Crypthecodinium cohnii*, (WONG, Joseph Tin Yum)

MABOLOC, Elizaldy Acebu, Plastic responses of the larval slipper limpet *Crepidula onyx* to future climate conditions, (CHOW, King Lau and CHAN, Kit Yu Karen)

SHEN, Zhiyong, A comparative genomic analysis of the ecological characters and evolutionary relationship between *Escherichia* coli and cryptic *Escherichia* clades, (LAU, Stanley Chun Kwan)

ZHOU, Kun, Phage–Bacteria Interplay in Deep-Sea Invertebrate Holobionts, (QIAN, Peiyuan and XU, Ying (SZU))

ZOU, Dayu, The Community, Distribution and Ecological Niche of Archaea in the Estuarine Ecosystems of China, (LIU, Hongbin and LI Meng (SZU))

Doctor of Philosophy in Mathematics

DENG, Yizhe, Dimension Reduction Methods for Financial Market Prediction, (YANG, Zhaojun (SUSTech) and WU, Lixin)

HU, Wei, Threshold dynamics: Analysis and Applications, (WANG, Xiaoping)

HUANG, Yifei, Generalization and Robustness in Deep Neural Networks, (YAO, Yuan)

JIANG, Tianpeng, Computation of Optical Eigenstates in Dielectric Systems, (XIANG, Yang)

LIU, Ping, Mathematical Theory of Computational Resolution Limit and Efficient Fast Algorithms for Super-resolution, (ZHANG, Hai)

LUAN, Yongzhi, Nilpotent orbits and Dynkin indices of Lie algebras, (HUANG, Jingsong)

RONG, Yi, Data Recovery on Manifold from Linear Samples, (WANG, Yang)

WANG, Jingming, Principal Components of Large Dimensional Spiked Covariance Matrices, (BAO, Zhigang)

YOU, Juntao, Efficient Recovery of Sparse Signal from Phaseless Measurements, (CAI, Jianfeng and LI, Jingzhi (SUSTech))

ZHU, Weizhi, Robustness and Generalization in Neural Networks, (YAO, Yuan)

Doctor of Philosophy in Nano Science and Technology

LU, Huanhuan, *In Situ* TEM Study of Friction and Wear Mechanisms for Single-Asperity Metallic Contacts, (WANG, Ning and SHAN, Zhiwei (XJTU))

QU, Qing, Expediting Hydrogen Evolution Reaction via Topological Quantum Materials of Bi_2Te_3 and SnTe Thin Films and a Pd/SnTe Heterostructure, (SOU, Iam Keong)

SHI, Run, Controllable Growth, Phase Modulation, and Applications of Low-Dimensional Vanadium Dioxide Crystals, (WANG, Ning and CHENG, Chun (SUSTech))

YING, Zhehan, In-Situ Transmission Electron Microscopy Study of Thermal Stability and Structural Transformation of Metal Nanocatalysts, (WANG, Ning)

Doctor of Philosophy in Physics

AU-YEUNG, Ka Yan, APPLICATIONS OF MULTIPLE RESONATORS FOR NOISE REDUCTION AND MECHANICAL VIBRATION DAMPING, (YANG, Zhi Yu)

CHANG, Mingli, TOPOLOGICALLY CHARGED NODAL POINTS AND SURFACES IN PHOTONIC SYSTEMS, (CHAN, Che Ting)

DENG, Xiaohui, NEW PERSPECTIVES FROM THE HYDRODYNAMIC MODES: FLUCTUATION-DISSIPATION THEOREM, HYDRODYNAMIC BOUNDARY CONDITION, AND NONLOCAL CORRELATIONS IN THERMAL FLUCTUATIONS, (SHENG, Ping and WANG, Xiaoping)

FAN, Xinyu, Computational Study of Phase Selectivity in Supercooled Metallic Liquids, (ALTMAN, Michael Scott and HUANG, Li (SUSTech))

GAO, Yifan, First-principles Investigations of Low Dimensional Materials as Condensed Matter Quantum Simulators, (LIN, Nian and HUANG, Li (SUSTech))

HAJIYEV, Elnur, Laser System for Addressing the $^1S_0 \rightarrow {}^3P_0$ Clock Transition in Yb Atoms, (JO, Gyu Boong)

HE, Chengdong, Quantum Simulation of Synthetic Fermionic Matter with SU(N) Symmetry or Non-trivial Topology, (JO, Gyu Boong)

HUANG, Linhai, Phase noise reduction of self-sustained oscillations in microelectromechanical systems, (CHAN, Ho Bun)

JIANG, Tianshu, Topological Transmission Line Networks, (CHAN, Che Ting)

STOLTE, Nore, Ab Initio and Classical Molecular Dynamics Studies of Carbon and Water at Extreme Conditions, (PAN, Ding)

TIAN, Fang, Investigation of Mechanical Biology of Cells by Using Tension Sensors and Magnetic Tweezers, (PARK, Hyo Keun)

XIE, Yingming, THE STUDY OF QUANTUM MATERIALS WITH THE INTERPLAY OF SPIN-ORBIT COUPLING, TOPOLOGY AND SUPERCONDUCTIVITY, (LAW, Kam Tuen)

ZHANG, Xiaonan, HYBRID RESONANCE AND COMPLEMENTARY BOUNDARY CONDITIONS FOR ELECTROMAGNETIC AND ACOUSTIC METAMATERIALS, (SHENG, Ping)

ZUO, Ying, All-Optical Neural Networks with Nonlinear Activation Functions, (ZENG, Bei and DU, Shengwang)

SCHOOL OF ENGINEERING

Doctor of Philosophy in Bioengineering

HAO, Chunlin, Using Spectrum Clustering Algorithm to Analyze Metaproteomic MS/MS Data of Mouse Gut Microbiome (LAM, Henry Hei Ning)

PARK, Byung Min, Engineering a Chlorophyll-Binding Protein for Deep-Tissue Bioimaging and New Materials, (SUN, Fei)

WANG, Yuqing, Developing a Comprehensive System for The Mechanism Study of RNA Polymerase in Transcription, (HUANG, Xuhui and CHEUNG, Pak Hang Peter (The Chinese University of Hong Kong))

XU, Xinzhou, A Novel Mechanism of Enhanced Transcription Activity and Fidelity for Influenza A Viral RNA-dependent RNA Polymerase, (HUANG, Xuhui and CHEUNG, Pak Hang Peter (The Chinese University of Hong Kong))

Doctor of Philosophy in Chemical and Biomolecular Engineering

CHEN, Ruipeng, Self-assembly and Crystallization of Biomacromolecules: DNA Origami in a Modular Design Framework and Continuous Protein Crystallization in Slug Flow, (LAKERVELD, Richard)

DY, Trixie Ruth Nunez, Pulsed Electric Field (PEF) Applications in Tap Water Disinfection and Electrochemical Nitrate Reduction, (YEUNG, King Lun)

GU, Qiao, Superstrong Ultrahigh Molecular Weight Polyethylene Membrane with Tunable Pore Structure for Separation Processes — Seawater Desalination and Air Purification, (GAO, Ping)

KHAN, Kishwar, Insights of Single-Atom Catalysts on Nanocarbon Support for Energy Conversion, (LUO, Zhengtang and AMINE, Khalil)

LIU, Jianhui, Bioinspired Materials from the Hybrid of Polymers and Self-assembling Peptides, (CHAU, Ying)

LIU, Zhenjing, Controlled Synthesis of Two-dimensional Layered Metal Chalcogenides for Energy Application, (LUO, Zhengtang)

MATHEW THOMAS, Kiran, Process Intensification of Protein Crystallization through Innovative Process Equipment and Operation, (LAKERVELD, Richard)

MONTEALEGRE, Charlimagne Monzon, Bacteriophages for Malodor Control and as a Surrogate for Virus Inactivation in Environmental Samples, (YEUNG, King Lun and HAN, Wei)

THITISOMBOON, Wadeelada, The Study of Nanoconfinement of PEO-PPO-PEO Triblock Copolymer in Nanoporous Ultrahigh Molecular Weight Polyethylene Membrane and their Interactions, (GAO, Ping)

WONGSRISUJARIT, Natee, One-Dimensional Photoactive Nanostructure Titania for Environmental Pollution Treatment and Clean Energy Production, (YEUNG, King Lun)

WU, Hsi-wen, Performance Optimization of Electrocatalysts and Membrane Electrode Assembly for Proton Exchange Membrane Fuel Cells, (SHAO, Minhua)

XIAO, Fei, Advanced Electrocatalysts for Proton Exchange Membrane Fuel Cells, (SHAO, Minhua)

YANG, Yun, Method Development and Applications of Low-input Proteomics, (LAM, Henry Hei Ning and TIAN, Ruijun (Southern University of Science and Technology))

YAO, Yuze, Optimization of solid electrolytes for all-solid-state lithium batteries, (SHAO, Minhua)

Doctor of Philosophy in Civil Engineering

AHMED, Rana Rab Nawaz, Towards the Effective Reverse Logistics Management of Construction Waste Material, (ZHANG, Xueqing)

BADSHA, Mohammad Abu Hashnat, Design and Application of Hydrogel-based Composite Materials for Cationic and Anionic Metal Removal from Electroplating Wastewater, (LO, Irene Man Chi)

BAGHBANREZVAN, Sina, Casing-sediment interaction during gas hydrate dissociation: Constitutive and Centrifuge modelling, (NG, Charles Wang Wai)

CHANG, Lu, Lead contamination and transportation in drinking water supply system in high-rise buildings, (GHIDAOUI, Mohamed Salah Ben Habib and LEE, Joseph Hun-wei)

DAI, Lun, East Asian Monsoon - Redefine Annual Cycle and Project Its Hydrometeorological Future, (LU, Mengqian)

DENG, Yangfan, Coupling of Sulfur-based Denitrification and Anammox for Nitrogen Removal, (CHEN, Guanghao and WU, Di)

FARDAD AMINI, Pedram, Effect of Fabric Anisotropy on Reliquefaction Resistance of Toyoura Sand based on Torsional Shear Experiments, (WANG, Gang)

FARIVAR, Alireza, Centrifuge Modelling of Elevated Floating Energy Pile Groups in Clay Subjected to Cyclic Non-symmetrical Thermal Loading, (NG, Charles Wang Wai)

FENG, Kewei, Material Point Method for Large Deformation Analyses of Coseismic Landslides, (WANG, Gang)

GOMAA, Sherif Mohsen Mohamed Hassan, Three-dimensional Centrifuge modelling of Non-symmetric Thermally Loaded Energy Piled-raft in Clay, (NG, Charles Wang Wai)

GUO, Haowen, Long-term field monitoring of a novel bioengineered three-layer landfill cover system using recycled concrete under humid climates, (NG, Charles Wang Wai)

GUO, Jiuhao, AI-based Daily Algal Bloom Risk Forecast and Automatic Species Identification System, (LO, Irene Man Chi and LEE, Joseph Hun-wei)

HE, Juhua, Photocatalytic Disinfection of Bacteria: From Magnetically Recyclable TiO_2-based Photocatalysts to Challenges of Water Characteristics and Different Bacterial Responses, (LO, Irene Man Chi)

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